



1644  
# 46

## **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 08/349,177B  
Source: 1600  
Date Processed by STIC: 9/5/2002

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FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

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1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002

TIME: 10:13:03

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

Does Not Comply  
Corrected Diskette Needed

pg 1-13

4 <110> APPLICANT: Grey, Howard  
5 Sette, Alessandro  
6 Sidney, John  
8 <120> TITLE OF INVENTION: HLA-A2.1 BINDING PEPTIDES AND THEIR USES  
11 <130> FILE REFERENCE: 399632000623  
13 <140> CURRENT APPLICATION NUMBER: US 08/349,177B  
14 <141> CURRENT FILING DATE: 1994-12-02  
16 <150> PRIOR APPLICATION NUMBER: 08/159,184  
17 <151> PRIOR FILING DATE: 1993-11-29  
19 <150> PRIOR APPLICATION NUMBER: 08/073,205  
20 <151> PRIOR FILING DATE: 1993-06-04  
22 <150> PRIOR APPLICATION NUMBER: 08/027,146  
23 <151> PRIOR FILING DATE: 1993-03-05  
25 <160> NUMBER OF SEQ ID NOS: 472  
27 <170> SOFTWARE: FastSEQ for Windows Version 4.0

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(global error)

→ <220> this numeric  
identifier is  
mandatory  
wherever  
<221>, <222>, or  
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## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

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DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

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4293 <221> NAME/KEY: VARIANT  
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## RAW SEQUENCE LISTING

-- DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

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## RAW SEQUENCE LISTING

DATE: 09/05/2002

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TIME: 10:13:04

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

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## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

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## RAW SEQUENCE LISTING

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## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

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Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

4620 &lt;223&gt; OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met

E--&gt; 4622 &lt;400&gt; SEQUENCE: 383

W--&gt; 4623 Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa

4624 1 5

4626 &lt;210&gt; SEQ ID NO: 384

4627 &lt;211&gt; LENGTH: 9

4628 &lt;212&gt; TYPE: PRT

4629 &lt;213&gt; ORGANISM: Homo Sapiens

4631 &lt;221&gt; NAME/KEY: VARIANT

4632 &lt;222&gt; LOCATION: (1)...(1)

4633 &lt;223&gt; OTHER INFORMATION: Xaa = Any Amino Acid

W--&gt; 4635 &lt;221&gt; VARIANT

4636 &lt;222&gt; LOCATION: (2)...(2)

4637 &lt;223&gt; OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr

W--&gt; 4639 &lt;221&gt; VARIANT

4640 &lt;222&gt; LOCATION: (3)...(3)

4641 &lt;223&gt; OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,

4642 - Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

W--&gt; 4644 &lt;221&gt; VARIANT

4645 &lt;222&gt; LOCATION: (4)...(4)

4646 &lt;223&gt; OTHER INFORMATION: Xaa = Ser, Thr, Cys

W--&gt; 4648 &lt;221&gt; VARIANT

4649 &lt;222&gt; LOCATION: (5)...(8)

4650 &lt;223&gt; OTHER INFORMATION: Xaa = Any Amino Acid

W--&gt; 4652 &lt;221&gt; VARIANT

4653 &lt;222&gt; LOCATION: (9)...(9)

4654 &lt;223&gt; OTHER INFORMATION: Xaa = Ala, Met

E--&gt; 4656 &lt;400&gt; SEQUENCE: 384

W--&gt; 4657 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa

4658 1 5

4660 &lt;210&gt; SEQ ID NO: 385

4661 &lt;211&gt; LENGTH: 9

4662 &lt;212&gt; TYPE: PRT

4663 &lt;213&gt; ORGANISM: Homo Sapiens

4665 &lt;221&gt; NAME/KEY: VARIANT

4666 &lt;222&gt; LOCATION: (1)...(1)

4667 &lt;223&gt; OTHER INFORMATION: Xaa = Any Amino Acid

W--&gt; 4669 &lt;221&gt; VARIANT

4670 &lt;222&gt; LOCATION: (2)...(2)

4671 &lt;223&gt; OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr

W--&gt; 4673 &lt;221&gt; VARIANT

4674 &lt;222&gt; LOCATION: (3)...(3)

4675 &lt;223&gt; OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,

4676 - Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr

W--&gt; 4678 &lt;221&gt; VARIANT

4679 &lt;222&gt; LOCATION: (4)...(4)

4680 &lt;223&gt; OTHER INFORMATION: Xaa = Ser, Thr, Cys

W--&gt; 4682 &lt;221&gt; VARIANT

4683 &lt;222&gt; LOCATION: (5)...(8)

## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

```

4684 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4686 <221> VARIANT
4687 <222> LOCATION: (9)...(9)
4688 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met
E--> 4690 <400> SEQUENCE: 385
W--> 4691 Xaa Met Xaa Xaa Xaa Xaa Xaa Xaa Xaa
4692 1 5
4694 <210> SEQ ID NO: 386
4695 <211> LENGTH: 9
4696 <212> TYPE: PRT
4697 <213> ORGANISM: Homo Sapiens
4699 <221> NAME/KEY: VARIANT
4700 <222> LOCATION: (1)...(1)
4701 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4703 <221> VARIANT
4704 <222> LOCATION: (2)...(2)
4705 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr
W--> 4707 <221> VARIANT
4708 <222> LOCATION: (3)...(3)
4709 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4711 <221> VARIANT
4712 <222> LOCATION: (4)...(4)
4713 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys
W--> 4715 <221> VARIANT
4716 <222> LOCATION: (5)...(6)
4717 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4719 <221> VARIANT
4720 <222> LOCATION: (7)...(7)
4721 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,
4722 Gln, Ser, Thr, Val, Trp, Tyr
W--> 4724 <221> VARIANT
4725 <222> LOCATION: (8)...(8)
4726 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4728 <221> VARIANT
4729 <222> LOCATION: (9)...(9)
4730 <223> OTHER INFORMATION: Xaa = Ala, Met
E--> 4732 <400> SEQUENCE: 386
W--> 4733 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
4734 1 5
4736 <210> SEQ ID NO: 387
4737 <211> LENGTH: 9
4738 <212> TYPE: PRT
4739 <213> ORGANISM: Homo Sapiens
4741 <221> NAME/KEY: VARIANT
4742 <222> LOCATION: (1)...(1)
4743 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 4745 <221> VARIANT
4746 <222> LOCATION: (2)...(2)
4747 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr

```

## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

W--> 4749 <221> VARIANT  
4750 <222> LOCATION: (3)...(6)  
4751 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4753 <221> VARIANT  
4754 <222> LOCATION: (4)...(4)  
4755 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4757 <221> VARIANT  
4758 <222> LOCATION: (5)...(6)  
4759 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4761 <221> VARIANT  
4762 <222> LOCATION: (7)...(7)  
4763 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, Ile, Leu, Met, Asn, Pro,  
4764 Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4766 <221> VARIANT  
4767 <222> LOCATION: (8)...(8)  
4768 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4770 <221> VARIANT  
4771 <222> LOCATION: (9)...(9)  
4772 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
E--> 4774 <400> SEQUENCE: 387  
W--> 4775 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4776 1 5  
4778 <210> SEQ ID NO: 388  
4779 <211> LENGTH: 9  
4780 <212> TYPE: PRT  
4781 <213> ORGANISM: Homo Sapiens  
4783 <221> NAME/KEY: VARIANT → <2207  
4784 <222> LOCATION: (1)...(1)  
4785 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4787 <221> VARIANT  
4788 <222> LOCATION: (2)...(2)  
4789 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
W--> 4791 <221> VARIANT  
4792 <222> LOCATION: (3)...(3)  
4793 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4795 <221> VARIANT  
4796 <222> LOCATION: (4)...(4)  
4797 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4799 <221> VARIANT  
4800 <222> LOCATION: (5)...(5)  
4801 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4803 <221> VARIANT  
4804 <222> LOCATION: (6)...(6)  
4805 <223> OTHER INFORMATION: Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
4806 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4808 <221> VARIANT  
4809 <222> LOCATION: (7)...(8)  
4810 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4812 <221> VARIANT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002  
TIME: 10:13:04

Input Set : F:\39963-20006.txt  
Output Set: N:\CRF4\09052002\H349177B.raw

4813 <222> LOCATION: (9)...(9)  
4814 <223> OTHER INFORMATION: Xaa = Ala, Met  
E--> 4816 <400> SEQUENCE: 388  
W--> 4817 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4818 1 5  
4820 <210> SEQ ID NO: 389  
4821 <211> LENGTH: 9  
4822 <212> TYPE: PRT  
4823 <213> ORGANISM: Homo Sapiens → (2207)  
4825 <221> NAME/KEY: VARIANT  
4826 <222> LOCATION: (1)...(1)  
4827 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4829 <221> VARIANT  
4830 <222> LOCATION: (2)...(2)  
4831 <223> OTHER INFORMATION: Xaa = Ile, Val, Ala, Thr  
W--> 4833 <221> VARIANT  
4834 <222> LOCATION: (3)...(3)  
4835 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4837 <221> VARIANT  
4838 <222> LOCATION: (4)...(4)  
4839 <223> OTHER INFORMATION: Xaa = Ser, Thr, Cys  
W--> 4841 <221> VARIANT  
4842 <222> LOCATION: (5)...(5)  
4843 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4845 <221> VARIANT  
4846 <222> LOCATION: (6)...(6)  
4847 <223> OTHER INFORMATION: Xaa = Ala, Cys, Asp, Glu, Phe, Gly, Ile, Leu, Met,  
4848 Asn, Pro, Gln, Ser, Thr, Val, Trp, Tyr  
W--> 4850 <221> VARIANT  
4851 <222> LOCATION: (7)...(8)  
4852 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4854 <221> VARIANT  
4855 <222> LOCATION: (9)...(9)  
4856 <223> OTHER INFORMATION: Xaa = Leu, Val, Ile, Ala, Met  
E--> 4858 <400> SEQUENCE: 389  
W--> 4859 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
4860 1 5  
4862 <210> SEQ ID NO: 390  
4863 <211> LENGTH: 9  
4864 <212> TYPE: PRT  
4865 <213> ORGANISM: Homo Sapiens → (2207)  
4867 <221> NAME/KEY: VARIANT  
4868 <222> LOCATION: (1)...(1)  
4869 <223> OTHER INFORMATION: Xaa = Ala, Cys, Phe, Gly, His, Ile, Lys, Leu, Met,  
4870 Asn, Gln, Arg, Ser, Thr, Val, Trp, Tyr  
W--> 4872 <221> VARIANT  
4873 <222> LOCATION: (2)...(2)  
4874 <223> OTHER INFORMATION: Xaa = Leu, Met, Ile, Val, Ala, Thr  
W--> 4876 <221> VARIANT

## RAW SEQUENCE LISTING

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:04

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

4877 <222> LOCATION: (3)...(6)  
4878 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4880 <221> VARIANT  
4881 <222> LOCATION: (8)...(8)  
4882 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 4884 <221> VARIANT  
4885 <222> LOCATION: (9)...(9)  
4886 <223> OTHER INFORMATION: Xaa = Ala, Met  
E--> 4888 <400> SEQUENCE: 390  
W--> 4889 Xaa Xaa Xaa Xaa Xaa Xaa Ala Xaa Xaa  
4890 1 5  
7471 <210> SEQ ID NO: 472  
7472 <211> LENGTH: 9  
7473 <212> TYPE: PRT  
7474 <213> ORGANISM: Homo Sapiens  
7476 <400> SEQUENCE: 472  
7477 Lys Val Ala Glu Leu Val His Phe Leu  
7478 1 5  
E--> 7479 (1)

*Delete**FYI*

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

## VERIFICATION SUMMARY

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:05

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

L:3533 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:350  
L:3537 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:350  
L:3538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:350 after pos.:0  
L:3556 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:351  
L:3560 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:351  
L:3561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:351 after pos.:0  
L:3579 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:352  
L:3583 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:352  
L:3584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:352 after pos.:0  
L:3602 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:353  
L:3606 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:353  
L:3607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:353 after pos.:0  
L:3625 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
L:3629 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
L:3635 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:354  
L:3636 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:354 after pos.:0  
L:3654 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
L:3658 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
L:3664 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:355  
L:3665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:355 after pos.:0  
L:3683 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
L:3689 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
L:3693 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:356  
L:3694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:356 after pos.:0  
L:3712 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
L:3718 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
L:3722 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:357  
L:3723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:357 after pos.:0  
L:3741 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
L:3747 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
L:3751 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:358  
L:3752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:358 after pos.:0  
L:3770 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
L:3776 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
L:3780 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:359  
L:3781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0  
L:3799 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
L:3805 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
L:3809 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:360  
L:3810 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:360 after pos.:0  
L:3828 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
L:3834 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
L:3838 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:361  
L:3839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:361 after pos.:0  
L:3857 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
L:3861 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
L:3867 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362  
L:3871 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:362

## VERIFICATION SUMMARY

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:05

Input Set : F:\39963-20006.txt

Output Set : N:\CRF4\09052002\H349177B.raw

L:3872 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:362 after pos.:0  
L:3890 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3894 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3900 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3904 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:363  
L:3905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:363 after pos.:0  
L:3923 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3927 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3933 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3937 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:364  
L:3938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:364 after pos.:0  
L:3956 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3960 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3966 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3970 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:365  
L:3971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:365 after pos.:0  
L:3989 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:366  
L:3993 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:366  
L:4004 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:366 after pos.:0  
L:4037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:367 after pos.:0  
L:4070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:368 after pos.:0  
L:4103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:369 after pos.:0  
L:4136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:370 after pos.:0  
L:4174 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:371  
L:4175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:371 after pos.:0  
L:4212 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:372  
L:4213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372 after pos.:0  
L:4250 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:373  
L:4251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:373 after pos.:0  
L:4284 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:374  
L:4285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:374 after pos.:0  
L:4318 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:375  
L:4319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:375 after pos.:0  
L:4356 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:376  
L:4357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:376 after pos.:0  
L:4394 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:377  
L:4395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377 after pos.:0  
L:4436 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:378  
L:4437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:378 after pos.:0  
L:4478 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:379  
L:4479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:379 after pos.:0  
L:4516 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:380  
L:4517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:380 after pos.:0  
L:4554 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:381  
L:4555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:381 after pos.:0  
L:4588 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:382  
L:4589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:382 after pos.:0  
L:4622 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:383  
L:4623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:383 after pos.:0



## VERIFICATION SUMMARY

DATE: 09/05/2002

PATENT APPLICATION: US/08/349,177B

TIME: 10:13:05

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

L:4656 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:384  
L:4657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:384 after pos.:0  
L:4690 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:385  
L:4691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:385 after pos.:0  
L:4732 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:386  
L:4733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:386 after pos.:0  
L:4774 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:387  
L:4775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:387 after pos.:0  
L:4816 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:388  
L:4817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:388 after pos.:0  
L:4858 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:389  
L:4859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:389 after pos.:0  
L:4888 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:390  
L:4889 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:390 after pos.:0  
L:4918 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:391  
L:4919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:391 after pos.:0  
L:4952 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:392  
L:4953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:392 after pos.:0  
L:4982 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:393  
L:4983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:393 after pos.:0  
L:5012 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:394  
L:5013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:394 after pos.:0  
L:5046 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:395  
L:5047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:395 after pos.:0  
L:5072 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:396  
L:5073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:396 after pos.:0  
L:5098 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:397  
L:5099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:397 after pos.:0  
L:5128 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:398  
L:5129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:398 after pos.:0  
L:5158 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:399  
L:5159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:399 after pos.:0  
L:5192 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:400  
L:5226 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:401  
L:5260 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:402  
L:5294 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:403  
L:5328 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:404  
L:5362 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:405  
L:5396 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:406  
L:5430 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:407  
L:5460 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:408  
L:5490 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:409  
L:5515 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:410  
L:5540 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:411  
L:5570 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:412  
L:5600 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:413  
L:5634 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:414  
L:5668 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:415  
L:5702 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:416

## VERIFICATION SUMMARY

PATENT APPLICATION: US/08/349,177B

DATE: 09/05/2002

TIME: 10:13:05

Input Set : F:\39963-20006.txt

Output Set: N:\CRF4\09052002\H349177B.raw

L:5736 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:417  
L:5770 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:418  
L:5804 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:419  
L:5838 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:420  
L:7479 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:472